



### Main

|                             |                               |
|-----------------------------|-------------------------------|
| Range                       | Compact                       |
| Range of product            | NS630b...1600                 |
| Product or component type   | Circuit breaker               |
| Product name                | Compact NS                    |
| Device short name           | Compact NS800L                |
| Circuit breaker name        | Compact NS800L                |
| Device application          | Distribution                  |
| Poles description           | 3P                            |
| Protected poles description | 3t                            |
| Network type                | AC                            |
| Breaking capacity code      | L                             |
| Suitability for isolation   | Yes conforming to IEC 60947-2 |
| Utilisation category        | Category A                    |
| Trip unit name              | Micrologic 2.0                |
| Trip unit technology        | Electronic                    |
| Trip unit rating            | 800 A ( 50 °C )               |

### Complementary

|  |  |
|--|--|
| Network frequency                      | 50/60 Hz   |
| Control type                           | Rotary handle<br>Toggle  |
| Mounting mode                          | Fixed  |
| Mounting support                       | Backplate  |
| Upside connection                      | Front  |
| Downside connection                    | Front  |
| [In] rated current                     | 800 A ( 50 °C )  |
| [Ui] rated insulation voltage          | 800 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2   |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Circuit breaker CT rating              | 800 A  |
| Breaking capacity                      | 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  
 100 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2

|  |  |
|--|--|
| [Ics] rated service breaking capacity    | Ics 100 kA 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 130 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 150 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 150 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| Auxiliary contact composition            | 1 NO/NC  |
| Mechanical durability                    | 10000 cycles   |
| Electrical durability                    | 2000 cycles IEC 60947-2 690 V In AC 50/60 Hz<br>3000 cycles IEC 60947-2 690 V In/2 AC 50/60 Hz<br>3000 cycles IEC 60947-2 440 V In AC 50/60 Hz<br>4000 cycles IEC 60947-2 440 V In/2 AC 50/60 Hz   |
| Local signalling                         | Positive contact indication  |
| Trip unit protection functions           | LI   |
| Protection type                          | Overload protection (long time)<br>Instantaneous short-circuit protection  |
| Long time pick-up adjustment type Ir     | Adjustable   |
| Long time pick-up adjustment range       | 0.4...1 x In   |
| Long time delay adjustment type          | Adjustable 9 settings  |
| [Tr] long-time delay adjustment range    | 0.5...24 s 6 x Ir<br>0.7...16.6 s 7.2 x Ir<br>12.5...600 s 1.5 x Ir  |
| Thermal memory                           | 20 mn  |
| Instantaneous pick-up adjustment type li | Adjustable   |
| Instantaneous pick-up adjustment range   | 1.5...10 x Ir  |
| Height                                   | 327 mm   |
| Width                                    | 210 mm   |
| Depth                                    | 147 mm   |
| Compatibility code                       | NS800  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-2                  |
| Product certifications                | ASTA<br>ASEFA                |
| Power losses                          | 20 W                         |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Pollution degree                      | 3 conforming to IEC 60947    |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|